SEQUENCE LISTING

<110> Cai, Hong
Keller, Richard
Werner, James
Goodwin, Peter

<120> RAPID HAPLOTYPING BY SINGLE MOLECULE DETECTION

<130> S-94,652

<140> US 09/862,855
<141> 2003-04-11

<160> 21

<170> PatentIn version 3.1

<210> 1
<211> 20
<212> DNA
<213> Unknown
<220> Feature:
<223> 20-mer probe complementary to 20 base pair region of M13mp18 target containing EcoR I restriction site

<400> 1
gctcgaattc gtaatcatcg 20

<210> 2
<211> 18
<212> DNA
<213> Unknown
<220> Feature:
<223> 18-mer probe complementary to 18 base pair region of M13mp18 target containing Hind III restriction site

<400> 2
cagtgccaag cttcgatg 18

<210> 3
<211> 97
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic chimera template derived from genes MLL(HRX,Htrx) and AF4(FEL)

<400> 3
gaagttccca aaaccactcc tagtgagccc aagaaaaagc agcctccacc accaaaacaa 60

tatgatacat cttcaaaaac tcactcaaat tctcagc 97

<210> 4
<211> 27

<212> DNA
<213> Unknown
<220> Feature:
<223> DNA probe sequence complementary to MLL portion of SEQ ID NO:3

<400> 4
aaaaatttct tgggcttcac tagggag 27

<210> 5
<211> 29
<212> DNA
<213> Unknown
<220> Feature:
<223> DNA probe sequence complementary to AF4 portion of SEQ ID NO:3

<400> 5
aaaaaaattt gagtgagttt ttgaagatg 29

<210> 6
<211> 12
<212> DNA
<213> Unknown
<220> Feature:
<223> PNA probe sequence for MLL portion of SEQ ID NO:3

<400> 6
tttcttgggc tc 12

<210> 7
<211> 12
<212> DNA
<213> Unknown
<220> Feature:
<223> PNA probe sequence for AF4 portion of SEQ ID NO:3

<400> 7
tttgagtgag tt 12

<210> 8
<211> 12
<212> DNA
<213> Unknown
<220> Feature:
<223> LNA probe sequence for MLL portion of SEQ ID NO:3

<400> 8
tttcttgggc tc 12

<210> 9
<211> 12
<212> DNA
<213> Unknown

<220> Feature:
<223> LNA probe sequence for AF4 portion of SEQ ID NO:3

<400> 9
tttgagtgag tt 12

<210> 10
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 10
tggcagctca gaccaccaag cacaagtggg ag 32

<210> 11
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 11
gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggagtggctc 60

cgcagatacc tggaga 76

<210> 12
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 12
tggcagctca gaccaccaag cacaagtggg ag 32

<210> 13
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 13
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggagtggctc 60

cgcagatacc tggaga 76

<210> 14
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 14 32
tggcagctca gaccacccaa gacaagtggg ag

<210> 15
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 15
gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggacgggctc 60
76
cgcagatacc tggaga

<210> 16
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 16 32
tggcagctca gaccacccaa ggcaagtggg ag

<210> 17
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 17
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggacgggctc 60
76
cgcagatacc tggaga

<210> 18
<211> 32
<212> DNA

<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 18
tggcagctca gaccacccaa ggcaagtggg ag 32

<210> 19
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 19
gcggcccatg tggcggagca gcagagagcc tacctggagg gcacgtgcgt ggagtggctc 60

cgcagatacc tggaga 76

<210> 20
<211> 32
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 20
tggcagctca gaccacccaa ggcaagtggg ag 32

<210> 21
<211> 76
<212> DNA
<213> Unknown
<220> Feature:
<223> Synthetic oligonucleotide template containing a subset of a sequence variant for the HLA gene

<400> 21
gcggcccatg tggcggagca gttgagagcc tacctggagg gcacgtgcgt ggacgggctc 60

cgcagatacc tggaga 76